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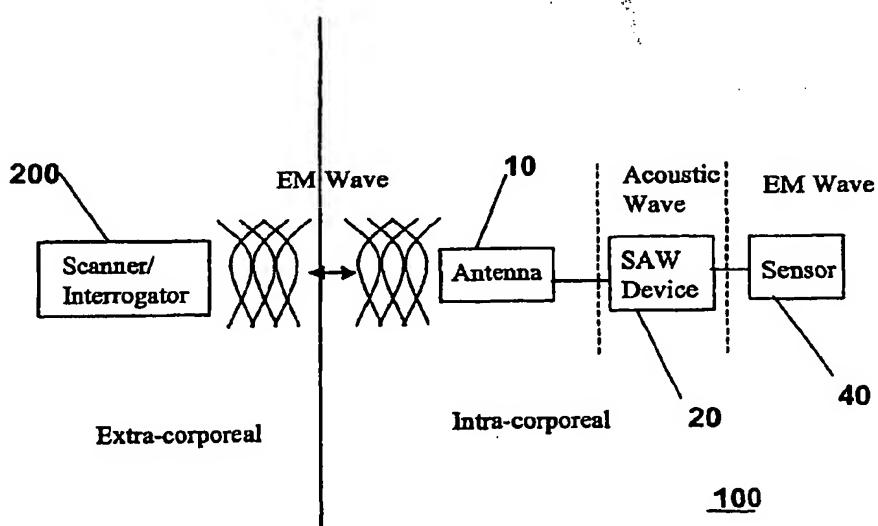
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(54) Title: WIRELESS SYSTEM FOR MEASURING PRESSURE AND FLOW IN TUBES



(57) Abstract: A remote sensor (100) is remotely placed within a vessel containing a fluid in order to sense a pressure generated by the fluid. The sensor includes an antenna (10) for capturing an externally-generated interrogation signal and for transmitting a response signal, a response circuit (20, 30) coupled to the antenna (10) for receiving the interrogation signal and for generating the response signal, and a sensor element (40) coupled to the response circuit. One or more electrical characteristics of the response circuit (20, 30) change in relation to the sensed pressure, thereby determining measurable characteristics of the response signal. Importantly, the response circuit (20, 30) operates to delay the transmission of the response signal to a time separated from and following transmission of artifacts of the interrogation signal.

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